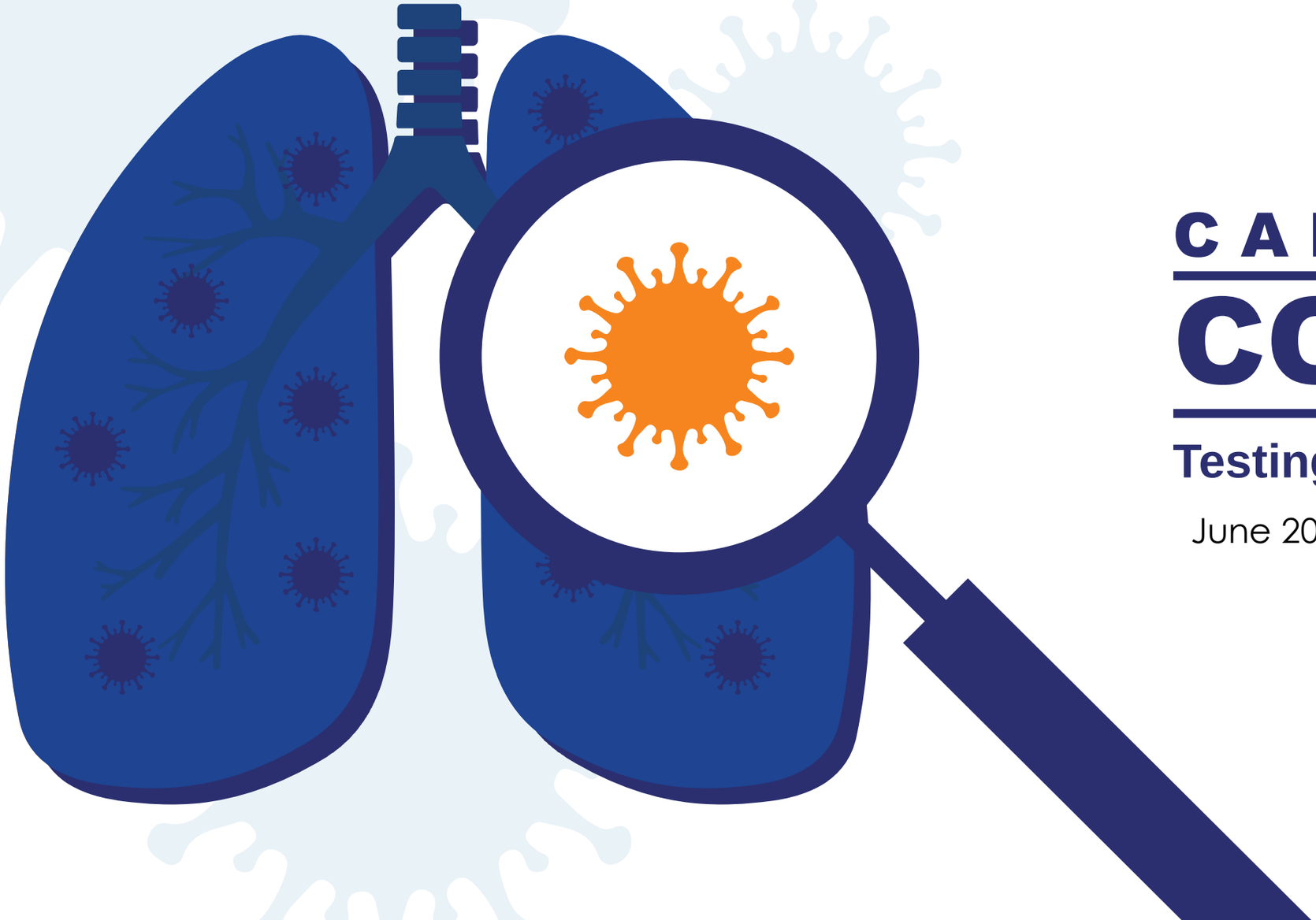


CALIFORNIA COVID-19

Testing Task Force Update

June 2020

CONTENTS

Context

The Testing Task Force (TTF) held its first meeting on March 30, 2020, and was informed that **California was averaging 2,000 COVID-19 diagnostic, or PCR, tests per day** for a state with nearly 40 million people.

Short-term goals for the Task Force were set – **10,000 tests per day by April 17 and 25,000 tests per day by April 30** – based on aggressive but achievable estimates, including testing rates in South Korea and New York. By the end of April, the task force set a new goal of **60,000 to 80,000 tests per day** to support reopening, based on both internal and external modeling.

Like other states, **California still has a lot of work ahead to respond and recover from the crisis,** including protecting populations at highest risk, supporting affected patients, families, and communities, and working to reopen the economy. **The work of the Testing Task Force is guided by the state's evolving priorities and goals.**

This document **shares some of the solutions and approaches to ramping up COVID-19 testing that were implemented in California.** The work performed by California Testing Task Force is ongoing, and the Task Force is plans to share regular updates, especially focused on supporting the state' roadmap to reopening.

Introducing the California COVID-19 Testing Task Force

Task Force is a public-private collaboration that brings together stakeholders across the state

Governor
Gavin Newsom

HHS Secretary
Mark Ghaly, M.D.

Leadership

Bob Kocher, M.D. (Venrock)

Kathleen Jacobson, M.D. (CDPH)

Testing Task Force (TTF) Co-Leads

Charity Dean, M.D. (CDPH)

Paul Markovich (Blue Shield)

Task Force Logistics

- CDPH Project Mgmt/ Logistics
- CalOES Project Mgmt/ Logistics
- Testing Sites
- Testing Options
- Test Processing
- Supplies & Distribution
- Data & Analytics
- Communi-cation
- Workforce
- Finance
- Legal

Partners from local health systems, labs, industry associations, manufacturers, private sector companies, and research institutions

California COVID-19 Testing Task Force

Task Force goals

Increased capacity for testing, including to address future needs

+

Equitable access statewide

+

High accuracy

+

Rapid turnaround

Accomplishments and working model

California COVID-19 Testing Task Force

What has the Task Force achieved to date?

Ramped up COVID-19 testing **from ~2,000 to >100,000 PCR tests/day in less than 3 months**

Expanded **statewide network of community testing sites by 100+ sites** to provide equitable access to testing

Secured sufficient supplies to rapidly expand sample collection

Confirmed available lab capacity and launched new partnerships with labs

Provided input on **expanding testing guidelines** and making COVID-19 testing accessible to all Californians

What is our working model?

A mindset focused on needs of patients, healthcare professionals, first responders, workers, and other Californians

Strong partnerships with key stakeholders involved in testing, including labs, manufacturers, suppliers, and providers

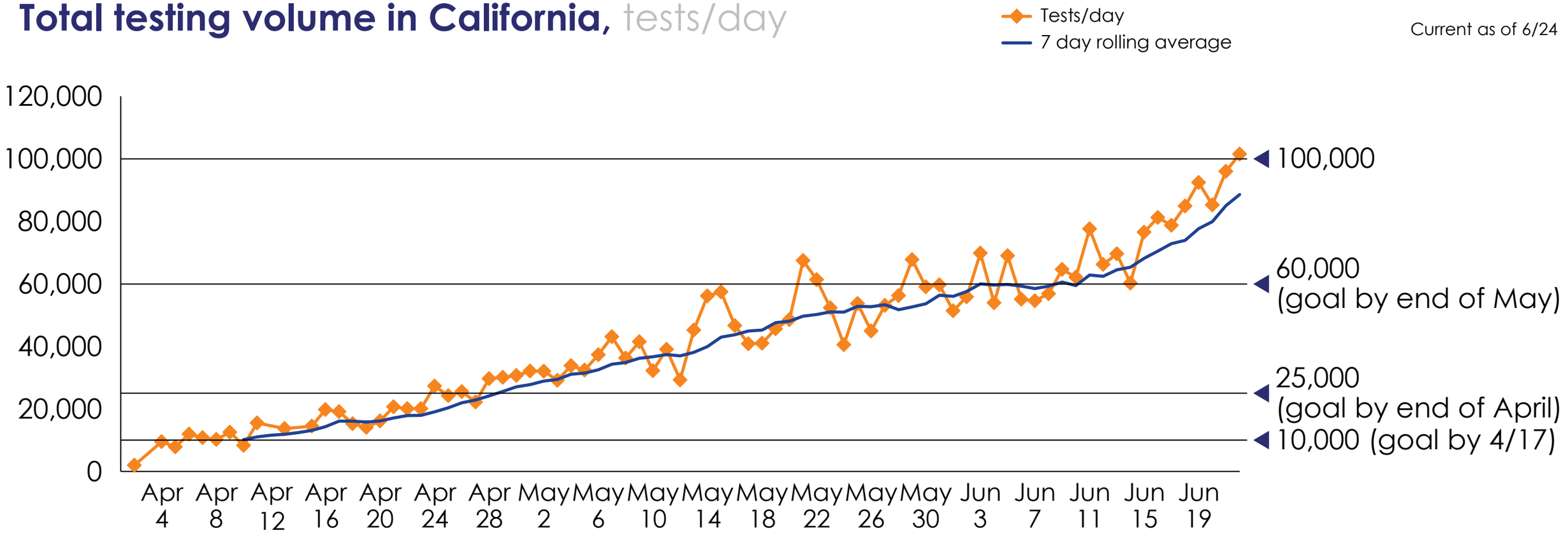
Active dialogue with state officials, local health officers, and legislators

Engagement of local leaders, including industry associations and researchers

Total testing volume in California, tests/day

California COVID-19 Testing Task Force

Total testing volume in California, tests/day



Task Force is optimizing end-to-end testing workflows

California COVID-19 Testing Task Force

X Details and sample outputs follow

Providers

Individual Referred for Testing

1. Work with local public health officials to inform expanded access to testing
2. Design testing solutions for specific populations

Sample Collection sites

Collection Site Collects Samples

3. Set up a statewide network of collection sites
4. Secure sufficient supplies for sample collection

Sample Processing sites

Network of Organizations Processing Tests

5. Expand available capacity for PCR test processing
6. Identify and scale new promising tests

Test results captured and reported

7. Track results and automate reporting
8. Communicate aggregate results to the public

Coordinate and integrate with contact tracing

CA Task Force Team

3 Our approach: setting up a statewide network of sample collection sites

California COVID-19 Testing Task Force

	A	B	C	D
Question	**How many sites do we need to provide sufficient and equitable coverage across the state?**	**What types of new sites are we preparing to stand up to meet future needs?**	**How do we work with partners and counties to launch new sites and ensure appropriate utilization?**	**What solutions do we offer in areas not covered by the network (e.g., rural counties)?**
TTF approach	Combined the demand (population) and network data to build a location optimization model Identified zip codes for new sites based on potential coverage Prioritized locations in underserved communities (e.g., considering median income and concentration of ethnic minorities)	Aligned on guiding principles to inform statewide network roll-out (e.g., proximity, equity, cost efficiency) Defined potential use cases for testing and corresponding types of testing sites Identified potential partners and specimen collection options (e.g., mobile vans)	Established daily touchpoints with the vendor to launch 80 new sites within 2 weeks Completed outreach to all counties to resolve operational issues and support community outreach Established daily dashboards to monitor performance and support appropriate utilization	Identified areas not covered by existing solutions Defined a tailored testing option for each area depending on population, distance from existing community testing sites, available infrastructure (e.g., mobile van, fixed site, testing in pharmacy)

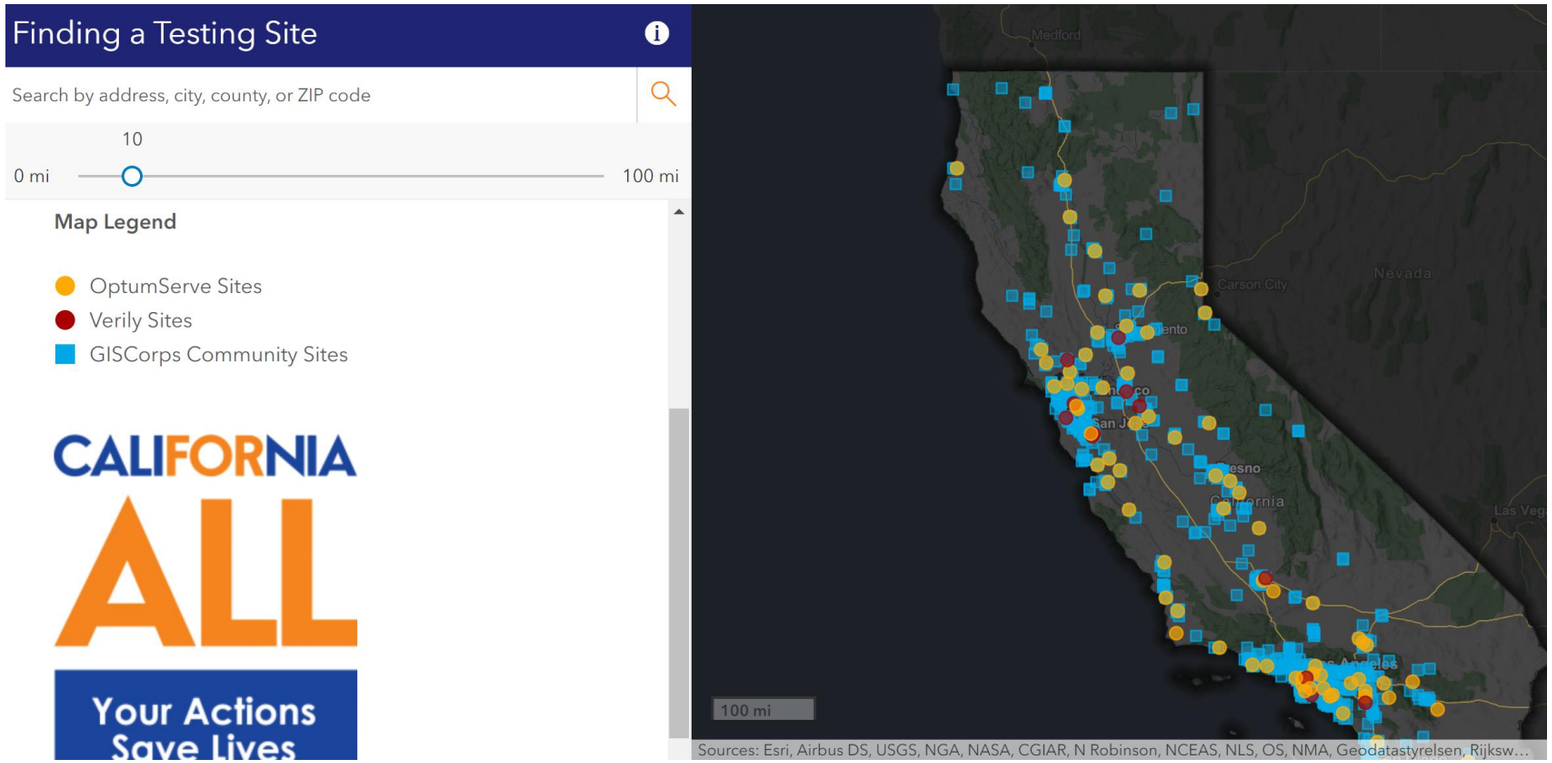
3A Sample output: integrated directory of testing sites

California COVID-19 Testing Task Force

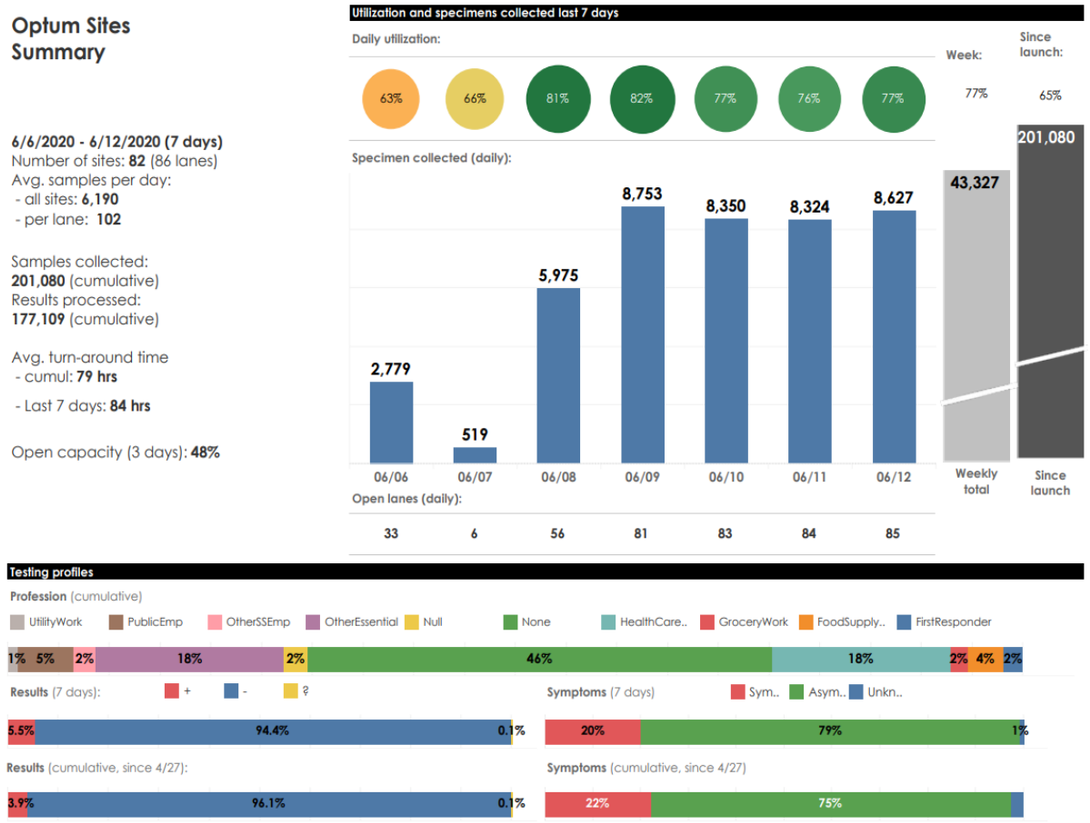
Criteria for recommendation of additional sites:

- Ensure a collection site within **30 minutes** driving time in urban areas and within **60 minutes** in rural areas
- Ensure there is sufficient capacity at each site to handle projected volume
- Minimize backlog, turnaround time by guiding sites where to send specimens

Existing COVID-19 collection sites in CA (link)



Sample output: Dashboards to track site opening and utilization



IN..	County	City	Trend	7-day utiliz.	3-day utiliz.	1-day utiliz.	Samples today	TAT	Total Capacity Today	Open Appoint. (up to 6/18)
1	MARIN	San Rafael	▲	114%	119%	89%	118	89	132	0%
2	MENDOCINO	Ukiah	▲	110%	115%	119%	157	92	132	0%
3	MONTEREY	Salinas	▲	110%	115%	130%	171	97	132	0%
4	MERCED	Merced	▼	102%	83%	82%	108	88	132	61%
5	IMPERIAL	Imperial	▲	102%	107%	100%	132	85	132	1%
6	LOS ANGELES	Santa Monica	=	98%	100%	105%	139	67	132	1%
7	SAN FRANCISCO	San Francisco	=	97%	98%	96%	127	97	132	0%
8	FRESNO	Sanger	=	95%	94%	86%	113	77	132	37%
9	SOLANO	Vacaville	=	94%	95%	93%	123	86	132	29%
10	FRESNO	Fresno	▲	94%	99%	114%	150	72	132	1%
11	RIVERSIDE	Norco	=	93%	95%	103%	136	81	132	43%
12	RIVERSIDE	Temecula	=	93%	95%	89%	117	76	132	62%
13	SANTA CRUZ	Watsonville	=	92%	94%	95%	125	95	132	0%
14	SANTA CLARA	San Jose	=	92%	91%	92%	122	89	132	56%
15	YOLO	West Sacramento	=	91%	92%	94%	124	97	132	38%
16	SAN DIEGO	Chula Vista	=	91%	91%	88%	232	75	264	27%
17	SANTA BARBARA	Santa Maria	=	90%	88%	95%	125	93	132	39%
18	CONTRA COSTA	Pinole	=	90%	92%	92%	122	96	132	1%
19	TULARE	Porterville	=	90%	89%	81%	107	72	132	54%
20	KINGS	Hanford	=	89%	91%	94%	124	82	132	30%
21	SUTTER	Yuba City	=	89%	86%	67%	89	81	132	60%
22	TULARE	Dinuba	=	89%	89%	87%	115	88	132	46%
23	SAN JOAQUIN	Lodi	=	89%	89%	85%	112	82	132	47%
24	VENTURA	Newbury Park	=	89%	89%	87%	115	75	132	47%
25	SANTA BARBARA	Santa Barbara	=	88%	91%	98%	130	92	132	1%
26	ORANGE	San Juan Capistr..	=	88%	89%	85%	112	82	132	54%
27	SANTA CLARA	Gilroy	=	88%	89%	98%	129	93	132	60%
28	LOS ANGELES	South El Monte	=	87%	89%	87%	115	64	132	27%
29	SAN DIEGO	San Ysidro	=	87%	86%	84%	111	82	132	52%
30	ORANGE	Santa Ana	=	87%	87%	86%	113	76	132	0%
31	LOS ANGELES	Torrance	=	87%	88%	88%	233	79	264	56%
32	BUTTE	Chico	=	86%	85%	70%	92	91	132	61%
33	RIVERSIDE	Beaumont	▲	86%	90%	87%	115	95	132	30%
34	SAN LUIS OBISPO	Grover Beach	=	86%	84%	74%	98	65	132	68%
35	MADERA	Madera	▲	86%	96%	86%	114	96	132	40%
36	ORANGE	Buena Park	=	86%	86%	89%	118	84	132	0%
37	RIVERSIDE	JURUPA VALLEY	=	85%	84%	81%	107	67	132	39%
38	SAN DIEGO	Escondido	=	85%	85%	92%	122	75	132	0%
39	SHASTA	Redding	=	85%	83%	87%	115	87	132	2%
40	CONTRA COSTA	Walnut Creek	=	85%	84%	67%	88	93	132	1%
41	LOS ANGELES	Hawthorne	=	85%	88%	86%	113	68	132	32%
42	LOS ANGELES	Pasadena	=	85%	86%	89%	118	68	132	0%

4 Our approach: Secure sufficient supplies for sample collection

California COVID-19 Testing Task Force

	A	B	C
Question	**What are potential options for sample collection supplies and what volumes are required?**	**Where can we procure supplies and how can we ensure order fulfillment?**	**How can we ensure rapid and efficient supply distribution?**
TTF approach	Estimated needs for all sample collection supplies – e.g., swabs, viral transport media, PPE Identified and procured alternative collection supplies (e.g., 3D-printed swabs) Informed operating areas and sites receiving supplies about supply options	Expanded network of local suppliers for swabs, viral transport media, and PPE Conducted daily follow-ups with suppliers after placing orders and through delivery Received and distributed supplies provided by FEMA	Designed county-based distribution model that leverages existing infrastructure Developed step-by-step process flow for supply distribution Defined roles and responsibilities for supply allocation decisions

5 Our approach: Expand available capacity for PCR test processing

California COVID-19 Testing Task Force

	A	B	C
Question	**What is maximum capacity for PCR test processing in California?**	**What capacity is available for test processing given supply shortages and other operational constraints?**	**What are potential optimal approaches to match lab and specimen collection capacity?**
TTF approach	Gathered information to understand lab equipment in California Reached out to all major manufacturers to discuss supply availability Performed due diligence to assess capacity expansion opportunities	Performed outreach to labs to confirm utilized and available capacity for PCR test processing (taking into account supply availability, staffing, operating hours, % capacity utilized for COVID-19 testing)	Defined use cases for testing and corresponding collections sites Defined clear testing readiness criteria for labs, including ability to report to CalREDIE Aligned on readiness criteria for COVID-19 test processing (e.g., reporting requirements) Published information about labs with available capacity for test processing

6 Serology testing indications

California COVID-19 Testing Task Force

COVID-19 serology testing: Indications (link)

COVID-19 Serology Testing
Guidelines for Use

Yes	✓ Epidemiologic studies to determine prevalence of COVID-19 in a community (serologic survey)
Maybe	✓ Identify potential convalescent plasma donors ✓ Identify false negative COVID-19 viral RNA results ✓ Evaluate individuals with prior COVID-19 symptoms who could not be tested at the time they were ill

DO NOT USE COVID-19 SEROLOGY	
No	▪ Sole basis to diagnose or exclude COVID-19 ▪ Screen for asymptomatic shedders ▪ Determine COVID-19 immunity ▪ Guide PPE use or infection control measures ▪ Return to congregant setting ▪ Make decisions about employment, i.e. return-to-work, hiring, duty assignment, etc.

7 Our approach: Tracking results and automating reporting

California COVID-19 Testing Task Force

	A	B	C
Question	**What is the total number (daily and cumulative) of PCR tests in CA?**	**What is the single source of truth for testing data in California?**	**How to automate reporting related to COVID-19 testing?**
TTF approach	Performed daily outreach to top-30 high-throughput labs to gather data about testing volumes Established daily internal TTF dashboard to track testing volumes	Harmonized TTF tracking tools with the state dashboard Established daily cadence to reconcile data from multiple sources (direct outreach, CalREDIE)	Launched an app for labs to submit daily testing volumes and report supplies shortages Onboarded labs in several waves; conducted trainings; launched initiatives to drive compliance

7B Sample output: Public state COVID-19 dashboard with integrated testing data

California COVID-19 Testing Task Force

COVID-19 statewide case and testing statistics (link)

COVID-19 Last Updated on 6/21/2020

Statewide Case Statistics

CA.GOV

Positive Cases by County

Sort by: Positive Cases

Los Angeles	83,383
Riverside	13,528
San Diego	10,796
Orange	10,563
San Bernardino	8,925
Alameda	4,835
Imperial	4,701
Kern	3,918
Santa Clara	3,514
Fresno	3,296
Tulare	3,173
San Francisco	3,000
San Mateo	2,781
Santa Barbara	2,430
Contra Costa	2,282
San Joaquin	2,188
Sacramento	2,156
Ventura	2,021
Stanislaus	1,688
Kings	1,334
Monterey	1,227

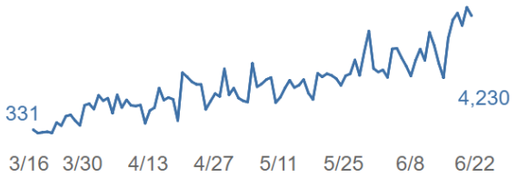
California Case Statistics

Positive Cases

178,054

+4,230

+2.4%



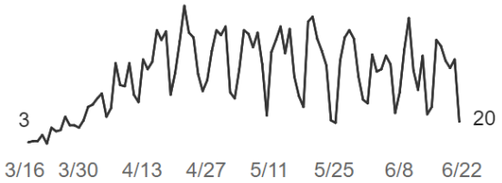
Note: Numbers may not represent true day-over-day change as reporting of test results can be delayed.

Deaths

5,515

+20

+0.4%



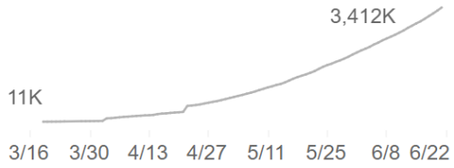
Note: Any instance of a negative number of cases or deaths reflects a correction to previous reporting.

Lab Tests Reported Statewide

3,411,686

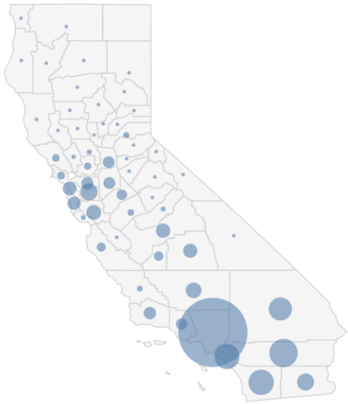
+92,430

+2.8%



Note: The increase in number of tests conducted on 4/22 is due to the addition of data sources to reflect a more complete count of testing in California.

Positive Cases by County



Positive Cases Demographics

Gender		Age		Race/Ethnicity	
Female	49%	0-17	8%	AIAN	0%
Male	50%	18-49	55%	Asian	7%
Unknown	0%	50-64	22%	Black	5%
		65+	15%	Latino	57%
		Missing	0%	White	17%
				Other	13%
				Multi-Race	1%
				NHPI	1%

Note: Percentages may not add up to 100% due to rounding. Breakdown of deaths is a subset of total deaths as reported by law enforcement.

8 Communication channels: Testing Task Force website

California COVID-19 Testing Task Force

CA.GOV

California Coronavirus
COVID-19 Testing Task Force

Additional Resources

- COVID-19 General Public Serology Guidance (PDF)
- Testing Task Force Org Chart (PDF)
- California COVID Testing Task Force Update (PDF)
- Specimen collection options (PDF)
- Supply Distribution Information (PDF)
- Testing Task Force Newsletter April 24 (PDF)
- Interim Updated Guidance for Testing Prioritization (PDF)
- California COVID Testing Task Force Elected Briefing 5-20-2020 (PDF)
- OptumServe and Verily Community Testing Site FAQ (PDF) **– Added on 5/22/2020**
- Testing Task Force FAQ (PDF) **– Added on 5/22/2020**
- Testing Task Force Newsletter May 8 (PDF) **– Added on 5/22/2020**

https://testing.covid19.ca.gov/

California COVID-19 Testing Task Force

California COVID-19 Testing Task Force
Frequently Asked Questions
Updated May 19, 2020

GENERAL TESTING

What are the requirements for testing?
The California Department of Public Health (CDPH) recently announced expanded testing guidelines, prioritized in two levels, and outlined here.

How can you find access to testing?
In addition to testing availability at your medical provider's office, you may search the state's interactive map that has access to hundreds of testing sites statewide. On May 12, Governor Newsom signed an executive order allowing pharmacists to administer COVID-19 tests, so some pharmacies may soon offer testing as well.

How is the state overcoming the challenge of getting supplies such as swabs, reagents, and RNA?
The Testing Task Force has worked to increase supplies for testing sites and laboratories across the state, which has led to additional testing capacity. In April, Governor Newsom announced that California would receive additional testing supplies from the federal government. In addition, the state's Testing Task Force recently partnered with OptumServe to launch 80 community testing sites across the state. OptumServe provides all the personal protective equipment (PPE) and testing supplies at those sites.

By end of June, the Task Force will transition all activities to state and county teams

California COVID-19 Testing Task Force

State TTF

- Statewide testing guidance
- Oversight of local testing solutions and efforts
- Data consolidation, monitoring and state-level reporting
- Targeted state-led or state-funded solutions
- Relationships and contracts with statewide partners

County-led testing efforts

- Design and setup of testing solutions for various population cohorts
- Expansion and maintenance of testing sites to provide equitable access to testing
- Contracting with labs, site operators, and other partners
- Data sharing and reporting

Private partners

- Ongoing support and thought partnership for the TTF leadership
- Participation in working sessions on specific topics and approaches

Transition to be completed by 6/30

Learn more

California COVID-19 Testing Task Force

California COVID-19 Testing Task Force
testing.covid19.ca.gov

Please email testing.taskforce@state.ca.gov with questions about the Task Force efforts